

REMARKS

This responds to the Office Action dated March 7, 2007.

Claims 1, 9, and 14 are amended, and claim 8 is canceled. Claims 1-7 and 9-20 are now pending in this application.

Double Patenting Rejection

Claims 1-5, 8-10 and 12-17 were rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-21 of U.S. Patent No. 6,456,256.

Claims 1-20 were rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-21 of U.S. Patent No. 6,708,065.

Applicant does not admit that claims are obvious in view of U.S. Patent Nos. 6,456,256 and 6,708,065. However, a Terminal Disclaimer in compliance with 37 CFR 1.321(b)(iv) is enclosed herewith to overcome these rejections.

§102 and §103 Rejection of the Claims

Claims 1-4, 12 and 14 were rejected under 35 U.S.C. § 102(e) as being anticipated by Villaseca et al. (U.S. Patent No. 6,169,925). Claims 5-9 and 17-19 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Villaseca et al. (U.S. Patent No. 6,169,925) in view of Goedeke et al. (U.S. Patent No. 5,683,432). The rejections are traversed and reconsideration is respectfully requested.

Applicant has amended independent claim 1 to recite an implantable medical device that includes an antenna tuning circuit for matching the impedance of the antenna to the transmitting/receiving circuitry at a specified carrier frequency by loading the antenna with inductance or capacitance and for converting between a single-ended signal generated or received by the transmitter/receiver circuitry and a differential signal generated or received by the antenna. Applicant has amended independent claim 14 to recite a method for transmitting and receiving radio-frequency signals in an implantable medical device that includes matching the impedance of an antenna to transmitting/receiving circuitry at a specified carrier frequency by loading the antenna with inductance or capacitance using an antenna tuning circuit and

converting between a single-ended signal generated or received by the transmitter/receiver circuitry and a differential signal generated or received by the antenna. Applicant believes that the recitations of claims 1 and 14, as well as the limitations added by dependent claims 2-7, 8-13, and 15-20, are neither taught nor made obvious by the cited references. Withdrawal of the rejections is respectfully requested.

CONCLUSION

Applicant respectfully submits that the claims are in condition for allowance and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's attorney (847) 432-7302 to facilitate prosecution of this application.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully submitted,

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By their Representatives,

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Date June 7, 2007

By J. Kevin Parker
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CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 7 day of June, 2007.

Paula Suchy
Name

Paula Suchy
Signature